IN THE CLAIMS

Please amend the claims as follows:

1. (Previously Presented) A negative electrode, comprising:

a substrate; and

a coating on the substrate, the coating including a binder and a

a carbonaceous material that includes ball-shaped graphite particles, carbon fibers, graphite flakes, wherein the ball shaped graphite particles include smaller graphite particles arranged such that the ball shaped graphite particles are isotropic.

2. (Previously Presented) The negative electrode of claim 1, wherein the carbonaceous material includes a mixture of 10-90% ball-shaped graphite particles, 7.5-80% carbon fibers, and 2.5-30% graphite flakes by weight.

3. (Previously Presented) The negative electrode of claim 1, wherein the carbonaceous material includes a mixture of 10-80% ball-shaped graphite particles, 15-80% carbon fibers, and 2.5-30% graphite flakes by weight.

4. (Previously Presented) The negative electrode of claim 1, wherein the carbonaceous material includes a mixture of approximately 80% ball-shaped graphite particles, 15% carbon fibers, and 5% graphite flakes by weight.

5. (Currently amended) The negative electrode of claim 1, wherein the ball-shaped graphite particles have an average particle size of 10-35 μm, the carbon fibers have an average particle size of 10-35 μm, and the graphite flakes have an average particle size of 10-35 μm.

6. (Previously Presented) The negative electrode of claim 1, wherein the binder is water-based.

7. (Previously Presented) The negative electrode of claim 1, wherein the binder does not contain fluorine.

8. (Previously Presented) The negative electrode of claim 1, wherein the binder includes carboxymethyl cellulose.

9. (Previously Presented) The negative electrode of claim 8, wherein the binder includes styrene butadiene rubber.

10. (Previously Presented) The negative electrode of claim 9, wherein the styrene butadiene includes 0-5% of the total weight of binder plus carbonaceous material.

11. (Previously Presented) The negative electrode of claim 9, wherein the substrate includes titanium.

12. (Previously Presented) The negative electrode of claim 8, wherein the carboxymethyl cellulose includes 0-10% of the total weight of binder plus carbonaceous material.

13. (Previously Presented) The negative electrode of claim 1, wherein the substrate includes titanium.

14. (Previously Presented) A battery, comprising:

a case;

a negative electrode housed in the case, the negative electrode having a negative coating on a negative substrate, the negative coating having a first binder and a carbonaceous material that includes ball-shaped graphite particles, carbon fibers, and graphite flakes, wherein the ball shaped graphite particles include smaller graphite particles arranged such that the ball shaped graphite particles are isotropic.

15. (Previously Presented) The battery of claim 14, wherein the carbonaceous material includes 10-90% ball-shaped graphite particles, 7.5-80% carbon fibers, and 2.5-30% graphite flakes by weight.

16. (Previously Presented) The battery of claim 14, wherein the carbonaceous material includes 10-80% ball-shaped graphite particles, 15-80% carbon fibers, and 2.5-30% graphite flakes by weight.

17. (Previously Presented) The battery of claim 14, wherein the carbonaceous material includes approximately 80% ball-shaped graphite particles, 15% carbon fibers, and 5% graphite flakes by weight.

18. (Previously Presented) The battery as in claim 14, wherein the case is hermetically sealed.

19. (Previously Presented) The battery as in claim 14, wherein the first binder is water-based.

20. (Previously Presented) The battery as in claim 14, wherein the first binder contains no fluorine.

21. (Previously Presented) The battery as in claim 14, wherein the first binder includes carboxymethyl cellulose.

22. (Previously Presented) The battery as in claim 21, wherein the first binder further includes styrene butadiene rubber.

23. (Previously Presented) The battery as in claim 22, wherein the negative substrate includes titanium.

24. (Previously Presented) The battery as in claim 14, wherein the negative coating has a porosity of 20-45%.

25. (Previously Presented) The battery as in claim 14, further comprising:

a positive electrode housed in the case, the positive electrode having a positive coating on a positive substrate, wherein the positive coating has a porosity of 20-40%.

26. (Previously Presented) The battery as in claim 14, wherein the negative electrode forms C_6Li_n, and at a maximum state of charge, $0.5 \leq n \leq 0.9$.

27. (Previously Presented) The battery as in claim 14, further comprising:

a positive electrode housed in the case, wherein the positive electrode is constructed so as to form $Li_{1-p}MO_2$ during operation of the battery, wherein M includes one or more transition metals, and at a maximum state of charge, $0.6 \leq p \leq 0.8$.

28. (Previously Presented) The battery as in claim 14, wherein the negative substrate includes titanium.

29. (Previously Presented) The battery as in claim 28, further comprising:

an electrolyte in the case and activating the negative electrode and a positive electrode, wherein the electrolyte includes a lithium salt in a cyclic and linear solvent.

30. (Previously Presented) A method for making a negative electrode includes the steps of:

providing a substrate;

combining components that include ball-shaped graphite particles, carbon fibers, graphite flakes, and a binder in a solvent, wherein the ball shaped graphite particles include smaller graphite particles arranged such that the ball shaped graphite particles are isotropic;

mixing the components to form a slurry;

coating at least a portion of the substrate with the slurry; and

evaporating the solvent.

31. (Previously Presented) The method of claim 30, wherein the substrate includes titanium.

32. (Previously Presented) The method of claim 30, wherein the solvent is water.

33. (Previously Presented) The method of claim 30, wherein the binder contains no fluorine.

34. (Previously Presented) The method of claim 30, wherein the binder includes carboxymethyl cellulose.

35. (Previously Presented) The method of claim 34, wherein the binder further includes styrene butadiene.

36. (Previously Presented) The method of claim 35, wherein the substrate includes titanium.

37.- 38. (Canceled)

39. (Previously Presented) The electrode of claim 1, wherein the smaller graphite particles are unorganized in the ball shaped graphite particles.

40. (Previously Presented) The battery of claim 14, wherein the smaller graphite particles are unorganized in the ball shaped graphite particles.